

COMDISCO

DIGITAL EQUIPMENT CAPACITY
Reference Guide

November 1995
Replaces November 1994 Guide

SOLUTIONS FOR REDUCING TECHNOLOGY COST AND RISK

Comdisco is the world's largest independent lessor of high-tech equipment and a leading lessor of Digital systems and peripherals. We provide our customers with access to the latest Digital technology, including Alpha and VAX systems, and can help them select the best equipment to meet their needs.

Comdisco also offers flexible financing, technology planning, reconditioned equipment, asset management,

disaster recovery services, systems integration, and

network services.

With more than 100 locations around the world, we serve over 8,000 customers in North and South America,

Europe, the Pacific Rim, and Australia, providing a full

range of solutions for reducing technology cost and risk.

Products

- Mainframe & Midrange
- PCs & workstations
- Disk drives
- Printers
- Terminals
- Peripherals
- Cables
- Satellite earth stations
- Point-of-sale
- PBX and telecom
- Bridges and routers
- CAD/CAMs
- And much more

Portfolio Depth

- Acquired \$8.7 billion of high-tech equipment over the last five years, \$1.9 billion in 1995.
- Controls over 4,000 mainframes and midrange systems, 30,000 disk drives, 300,000 PCs and workstations, and 125,000 terminals.

Financial Strength (FY 95)

- \$2.2 billion in revenue
- \$776 million in stockholders' equity
- \$5.0 billion in total assets
- \$2.8 billion in current liquidity

VAX

| System | VUPS | Intro. Date |
|--------------|------|-------------|
| 11/780 | 1.0 | 1977 |
| 11/785 | 1.1 | 1978 |
| 8200 | 1.1 | 1985 |
| 8250 | 1.3 | 1986 |
| 8350 (2) | 2.1 | 1987 |
| 8500 | 3.2 | 1985 |
| 8530 | 4.2 | 1986 |
| 8550 | 6.5 | 1987 |
| 8600 | 5.7 | 1984 |
| 8650 | 6.5 | 1985 |
| 8700 | 6.5 | 1986 |
| 8800 (2) | 11.4 | 1986 |
| 8974 (4) | 26.0 | 1987 |
| 8978 (8) | 52.0 | 1987 |
| 8810 (1) | 6.5 | 1988 |
| 8820 (2) | 11.4 | 1988 |
| 8830 (3) | 16.8 | 1988 |
| 8840 (4) | 22.2 | 1988 |
| 8842 (4) | 22.8 | 1988 |
| 6000-210 (1) | 2.8 | 1988 |
| 6000-220 (2) | 5.5 | 1988 |
| 6000-230 (3) | 8.3 | 1988 |
| 6000-240 (4) | 11.0 | 1988 |
| 6000-310 (1) | 3.8 | 1989 |
| 6000-312 (2) | 7.5 | 1989 |
| 6000-320 (2) | 7.5 | 1989 |
| 6000-330 (3) | 11.3 | 1989 |
| 6000-340 (4) | 15.0 | 1989 |
| 6000-350 (5) | 18.6 | 1989 |
| 6000-360 (6) | 22.0 | 1989 |
| 6000-423 (6) | 35.0 | 1989 |
| 6000-424 (8) | 47.0 | 1989 |
| 6000-410 (1) | 7.0 | 1989 |
| 6000-420 (2) | 13.0 | 1989 |
| 6000-430 (3) | 19.0 | 1989 |
| 6000-440 (4) | 25.0 | 1989 |
| 6000-450 (5) | 31.0 | 1989 |
| 6000-460 (6) | 36.0 | 1989 |

VAX

| System | VUPS | Intro. Date |
|---------------|-------|-------------|
| 6000-510 (1) | 13.5 | 1990 |
| 6000-520 (2) | 26.0 | 1990 |
| 6000-530 (3) | 37.5 | 1990 |
| 6000-540 (4) | 48.0 | 1990 |
| 6000-550 (5) | 59.0 | 1990 |
| 6000-560 (6) | 69.0 | 1990 |
| 6000-610 (1) | 32.0 | 1991 |
| 6000-620 (2) | 58.0 | 1991 |
| 6000-630 (3) | 83.0 | 1991 |
| 6000-640 (4) | 109.0 | 1991 |
| 6000-650 (5) | 135.0 | 1991 |
| 6000-660 (6) | 160.0 | 1991 |
| 7000-610 (1) | 35.0 | 1992 |
| 7000-620 (2) | 65.0 | 1992 |
| 7000-630 (3) | 95.0 | 1992 |
| 7000-640 (4) | 125.0 | 1992 |
| 7000-650 (5) | 155.0 | 1993 |
| 7000-660 (6) | 185.0 | 1993 |
| 7000-710 (1) | 52.0 | 1994 |
| 7000-720 (2) | 96.5 | 1994 |
| 7000-730 (3) | 141.5 | 1994 |
| 7000-740 (4) | 186.5 | 1994 |
| 7000-750 (5) | 231.5 | 1994 |
| 7000-760 (6) | 276.5 | 1994 |
| 9000-110 (1) | 40.0 | 1991 |
| 9000-210 (1) | 40.0 | 1989 |
| 9000-310 (1) | 40.0 | 1991 |
| 9000-320 (2) | 76.0 | 1991 |
| 9000-410 (1) | 40.0 | 1989 |
| 9000-420 (2) | 76.0 | 1989 |
| 9000-430 (3) | 112.0 | 1989 |
| 9000-440 (4) | 147.0 | 1989 |
| 10000-610 (1) | 35.0 | 1992 |
| 10000-620 (2) | 65.0 | 1992 |
| 10000-630 (3) | 95.0 | 1992 |
| 10000-640 (4) | 125.0 | 1992 |
| 10000-650 (5) | 155.0 | 1993 |
| 10000-660 (6) | 185.0 | 1993 |

MicroVax

| System | VUPS | Intro. Date |
|----------------|-------------|--------------------|
| MV II | 0.9 | 1985 |
| MV3100 | 2.7 | 1989 |
| MV3100-10e&20e | 3.8 | 1990 |
| MV3100-30 | 5.0 | 1991 |
| MV3100-40 | 5.0 | 1991 |
| MV3100-80 | 10.0 | 1991 |
| MV3100-85 | 16.0 | 1994 |
| MV3100-90 | 24.0 | 1992 |
| MV3100-95 | 32.0 | 1994 |
| MV3100-96 | 38 | 1995 |
| MV3300 | 2.5 | 1988 |
| MV3400 | 2.5 | 1988 |
| MV3500 | 2.9 | 1988 |
| MV3520 (2) | 5.0 | 1989 |
| MV3540 (4) | 10.0 | 1989 |
| MV3600 | 2.9 | 1988 |
| MV3800 | 3.8 | 1989 |
| MV3900 | 3.8 | 1989 |
| 4000-100 | 24.0 | 1992 |
| 4000-100A | 24.0 | 1992 |
| 4000-105A | 32.0 | 1994 |
| 4000-106A | 38 | 1995 |
| 4000-200 | 5.5 | 1990 |
| 4000-300 | 8.0 | 1990 |
| 4000-400 | 16.0 | 1992 |
| 4000-500 | 24.0 | 1991 |
| 4000-500A | 24.0 | 1993 |
| 4000-505A | 32.0 | 1994 |
| 4000-600 | 32.0 | 1992 |
| 4000-600A | 32.0 | 1993 |
| 4000-700A | 40.0 | 1993 |
| 4000-705A | 45.0 | 1994 |

Vaxstation

| System | VUPS | Intro. Date |
|-----------|------|-------------|
| VS2000 | 0.9 | 1985 |
| VS3100-30 | 2.8 | 1989 |
| VS3100-38 | 3.8 | 1989 |
| VS3100-40 | 2.8 | 1989 |
| VS3100-48 | 3.8 | 1989 |
| VS3100-76 | 7.6 | 1990 |
| 4000-VLC | 5.5 | 1991 |
| 4000-60 | 12.0 | 1991 |
| 4000-90 | 24.0 | 1992 |
| 4000-90A | 32.0 | 1993 |
| 4000-96 | 38 | 1995 |

DEC Alpha Servers

| System | Specint92 | Intro. Date |
|--------------------|------------------|--------------------|
| DEC400-4/166 | 116.8 | 1995 |
| DEC1000-4/200 | 135.8 | 1995 |
| DEC1000-4/233 | 165.3 | 1995 |
| DEC2000-300 | 81.0 | 1993 |
| DEC2000-500 | 81.0 | 1994 |
| DEC2000-4/200 | 131.8 | 1995 |
| DEC2000-4/275 | 202.9 | 1995 |
| DEC2000-4/233 | 177.3 | 1995 |
| DEC2000-5/250 | 277.1 | 1995 |
| DEC2100-A500MP (1) | 110.0 | 1994 |
| DEC2100-A500MP (2) | 220.0 | 1994 |
| DEC2100-A500MP (3) | 330.0 | 1994 |
| DEC2100-A500MP (4) | 440.0 | 1994 |
| DEC2100-A600MP (1) | 110.0 | 1994 |
| DEC2100-A600MP (2) | 220.0 | 1994 |
| DEC2100-A600MP (3) | 330.0 | 1994 |
| DEC2100-A600MP (4) | 440.0 | 1994 |
| DEC2100-4/200 | 131.8 | 1995 |
| DEC2100-4/233 | 177.3 | 1995 |
| DEC2100-4/275 | 200.1 | 1995 |
| DEC2100-5/250 | 277.1 | 1995 |
| DEC3000-400S | 74.7 | 1992 |
| DEC3000-500S | 84.4 | 1992 |
| DEC3000-500XS | 110.9 | 1993 |
| DEC3000-600S | 114.0 | 1993 |
| DEC3000-700S | 162.6 | 1994 |
| DEC3000-800S | 130.0 | 1993 |
| DEC3000-900S | 189.3 | 1994 |
| DEC4000-610 (1) | 94.6 | 1992 |
| DEC4000-620 (2) | 189.2 | 1992 |
| DEC4000-710 (1) | 122.4 | 1993 |
| DEC4000-720 (2) | 244.8 | 1993 |
| DEC7000-610(1) | 132.6 | 1992 |
| DEC7000-620(2) | 265.2 | 1992 |
| DEC7000-630(3) | 397.8 | 1992 |
| DEC7000-640(4) | 530.4 | 1992 |
| DEC7000-650(5) | 663.0 | 1992 |
| DEC7000-660(6) | 795.6 | 1992 |
| DEC7000-710(1) | 193.8 | 1994 |
| DEC7000-720(2) | 387.6 | 1994 |

DEC Alpha Servers

| System | MIPS+ | Intro. Date |
|------------------|--------------|--------------------|
| DEC7000-730 (3) | 581.4 | 1994 |
| DEC7000-740 (4) | 775.4 | 1994 |
| DEC7000-750 (5) | 969.0 | 1994 |
| DEC7000-760 (6) | 1162.8 | 1994 |
| DEC8200-5/300 | 341.4 | 1995 |
| DEC8400-5/300 | 341.4 | 1995 |
| DEC10000-610 (1) | 193.8 | 1992 |
| DEC10000-620 (2) | 387.6 | 1992 |
| DEC10000-630 (3) | 581.4 | 1992 |
| DEC10000-640 (4) | 775.4 | 1992 |
| DEC10000-650 (5) | 969.0 | 1992 |
| DEC10000-660 (6) | 1162.8 | 1992 |

DEC Alpha Station

| | | |
|---------------|-------|------|
| DEC200-4/100 | 74.5 | 1995 |
| DEC200-4/166 | 107.7 | 1995 |
| DEC200-4/233 | 157.6 | 1995 |
| DEC250-4/266 | 198.6 | 1995 |
| DEC400-4/233 | 157.6 | 1995 |
| DEC600-5/266 | 288.0 | 1995 |
| DEC600-5/300 | 334.0 | 1995 |
| DEC3000-300 | 58.0 | 1993 |
| DEC3000-300LX | 63.0 | 1993 |
| DEC3000-300X | 84.0 | 1993 |
| DEC3000-400 | 74.7 | 1992 |
| DEC3000-500 | 84.4 | 1992 |
| DEC3000-500X | 110.9 | 1993 |
| DEC3000-600 | 114.0 | 1993 |
| DEC3000-700 | 162.6 | 1994 |
| DEC3000-800 | 130.0 | 1993 |
| DEC3000-900 | 189.3 | 1994 |

SPECint92 rates are based on OSF/1.
Estimated that VMS SPECint92 would be 90%.

RISC-Based Workstations/Servers

| System | MIPS+ | Intro. Date |
|------------|-------|-------------|
| DS5000-20 | 16.3 | 1991 |
| DS5000-25 | 19.1 | 1991 |
| DS5000-33 | 26.5 | 1991 |
| DS5000-50 | 47.4 | 1991 |
| DS5000-125 | 19.3 | 1991 |
| DS5000-133 | 26.5 | 1991 |
| DS5000-200 | 24.0 | 1991 |
| DS5000-240 | 32.4 | 1991 |
| DS5000-260 | 64.0 | 1991 |
| DS5900-UNI | 32.8 | 1991 |
| DS5900-DP | 64.0 | 1991 |

Fault-Tolerant Computer Systems

| | |
|---------------|------|
| VAXft 100 | 2.4 |
| VAXft 310 | 3.8 |
| VAXft 410 | 6.0 |
| VAXft 610 | 6.0 |
| VAXft 612 (2) | 12.0 |
| VAXft 810 | 30.0 |

Disk, Solid State, Optical Storage

| Model | Capacity |
|-------------------------------|----------|
| EF51R (Solid State) | 107.0 MB |
| EF52R (Solid State) | 214.0 MB |
| EF53R (Solid State) | 267.0 MB |
| ESE20 (Solid State) | 120.0 MB |
| ESE50 (Solid State) | 120.0 MB |
| ESE50 (Solid State) | 600.0 MB |
| ESE50 (Solid State) | 1.0 GB |
| EZ51R (Solid State) | 107.0 MB |
| EZ54R (Solid State) | 428.0 MB |
| EZ58R (Solid State) | 856.0 MB |
| RA60 (Removable) | 205.0 MB |
| RA70-RK (Removable) | 280.0 MB |
| RA70 | 280.0 MB |
| RA71 | 700.0 MB |
| RA72 | 1.0 GB |
| RA73 | 2.0 GB |
| RA81 | 456.0 MB |
| RA82 | 622.0 MB |
| RA90 | 1.2 GB |
| RA92 | 1.5 GB |
| RD53 | 71.0 MB |
| RD54 | 159.0 MB |
| RF30 | 150.0 MB |
| RF31F | 200.0 MB |
| RF31B (Removable) | 381.0 MB |
| RF31C (Removable) | 760.0 MB |
| RF31 (ISE) | 381.0 MB |
| RF31T | 381.0 MB |
| RF312 | 762.0 MB |
| RF35 | 852.0 MB |
| RF352 | 1.7 GB |
| RF36 | 1.6 GB |
| RF362 | 3.2 GB |
| RF71 | 400.0 MB |
| RF72 | 1.0 GB |
| RF72B (Removable) | 1.0 GB |
| RF73 | 2.0 GB |
| RF74 | 3.5 GB |
| RRD40 (CDROM) | 600.0 MB |
| RRD42 (CDROM-SCSI-2) | 600.0 MB |
| RRD43 (CDROM-SCSI-2 2x speed) | 600.0 MB |
| RRD44 (CDROM-SCSI-2 2x speed) | 600.0 MB |

Disk, Solid State, Optical Storage

| Model | Capacity |
|-----------------------------|------------|
| RV20 (WORM) | 2.0 GB |
| RV64 (Optical Jukebox) | 128.0 GB |
| RVZ72 (WORM) | 6.55 GB |
| RV720 (WORM) | 78 GB |
| RV730 (WORM) | 439/307 GB |
| RW100 Storage Server | 93.0 GB |
| RWZ01 (Read/Write Optical) | 594.0 MB |
| RWZ21 (Rewriteable M/O) | 128.0 MB |
| RWZ52 (Rewriteable Optical) | 1.2 GB |
| RW504 (Rewriteable Optical) | 9.5 GB |
| RW510 (Rewriteable/WORM) | 19.0 GB |
| RW514 (Rewriteable/WORM) | 52.0 GB |
| RW516 (Rewritable/WORM) | 85.5 GB |
| RW530 (Rewriteable/WORM) | 38.0 GB |
| RW534 (Rewriteable/WORM) | 104.0 GB |
| RW536 (Rewriteable/WORM) | 170.0 GB |
| RX23 | 1.4 MB |
| RX24 | 1.0 MB |
| RX26 | 2.8 MB |
| RX33 | 1.2 MB |
| RX73 | 2.0 GB |
| RZ22 | 52.0 MB |
| RZ23 | 104.0 MB |
| RZ23L | 121.0 MB |
| RZ24 | 109.0 MB |
| RZ24L | 245.0 MB |
| RZ25 | 425.0 MB |
| RZ25L | 535.0 MB |
| RZ26 | 1.5 GB |
| RZ26L | 1.5 GB |
| RZ26N | 1.5 GB |
| RZ28 | 2.1 GB |
| RZ28M | 2.1 GB |
| RZ29B | 4.3 GB |
| RZ55 | 332.0 MB |
| RZ55B (Removable) | 332.0 MB |
| RZ56 | 665.0 MB |
| RZ56B (Removable) | 665.0 MB |
| RZ57 | 1.0 GB |
| RZ57B (Removable) | 1.0 GB |
| RZ58 | 1.4 GB |
| RZ73 | 2.0 GB |
| RZ74 | 3.57 GB |

Tape Storage Devices

| Model | Capacity |
|--------------------|--------------------------------|
| TKZ60 | 400MB |
| TA,TF,TZ85 | DLT 2.6GB |
| TA,TF,TZ857 | DLT 18.2GB |
| TA,TF,TZ86 | DLT 6.0GB |
| TA,TF,TZ867 | DLT 42.0GB |
| TZ87 | DLT 20GB |
| TZ877 | DLT 140GB |
| TZ875 | DLT Mini-Tape Library 5x20GB |
| TL820 | DLT Tape Library 20GB-5.2TByte |
| TK50 | Cartridge, 95MB, 6,667BPI |
| TK70, TF70 | Cartridge, 296MB, 10,000BPI |
| TA90 (3480 Master) | 38,000BPI |
| TU90 (3480 Slave) | 38,000BPI |
| TA91 (3480 Master) | 38,000BPI |
| TU91 (3480 Slave) | 38,000BPI |
| TA92 (3480/3490) | 38,000BPI |
| TZK60 (3480) | 6,667BPI |
| TA79 | Reel 1,600/6,250BPI |
| TA81 | Reel 1,600/6,250BPI |
| TSZ05 | Reel, 1,600BPI |
| TSB07 | Reel 1,600/6,250BPI |
| TSZ07 | Reel 1,600/6,250BPI |
| TU79 | Reel 1,600/6,250BPI |
| TU80 | Reel, 1,600BPI |
| TU81 PLUS | Reel 1,600/6,250BPI |
| TLZ04 | DAT, 4mm, 1.2GB |
| TLZ06L | DAT, 4mm, 16GB, autoloader |
| TLZ06 | DAT, 4mm, 4GB |
| TLZ07 | 8.0GB 4MM DAT |
| TLZ7L | DAT, 4MM, 32GB |
| TLZ08 | 8MM, 2.2gb |
| TKZ09 | 8mm, 5GB |
| TKZ15 | 8mm, 5GB, (10GB Compressed) |
| TKZ60 | 400MB |
| TZK10 | QIC, 525MB |
| TZK11 | QIC, 2GB |
| TZ30 | 6,667BPI |

Storage Controllers

| Model | Capacity |
|-----------------------------------|---------------------------|
| DWZZA | |
| HSC40 | 12 |
| HSC50 | 24 |
| HSC60 | 20 |
| HSC65 (Cache) | 20 |
| HSC70 | 32 |
| HSC90 | 48 |
| HSC95 (Cache) | 48 |
| HSD05 | 7 |
| HSD10 | DSSI TO SCSI-2 CONTROLLER |
| HSD30 | 21 |
| HSJ30 | 18 |
| HSJ40 | 36 |
| HSJ42 | 72 |
| HSJ44 | 144 |
| HSR95 (SCSI) | 48 |
| HSZ10 | 7 |
| HSZ40 | 42 |
| KDM70 (XMI Disk and Tape) | 8 |
| KFDDA (Dual DSSI) | |
| KFESA | EISA BASED S-DSSI |
| KFESB | EISA BASED S-DSSI |
| KFMSA (XMI to DSSI) | |
| KFQSA (QBUS to DSSI) | |
| KZBSA | BI/SCSI Tape |
| KZDDA (Second SCSI) | |
| KZESA (SZ200 Adapter Board-Cache) | |
| KZESC | ONE PORT EISA BP RAID |
| KZMSA (XMI to SCSI) | |
| KZPAA | PCI TO SCSI |
| KZPSA | PCI HOST BUS |
| KZPSC | PCI BACKPLANE RAID |
| KZQSA (TLZ04/RRD40) | |
| KZTSA | TURBO CHANNEL TO FWD SCSI |

()# of processors

* SPECmarks = performance of uniprocessor

+ SPECthrput = performance of symmetrical multiprocessor

AXP designates ALPHA upgradable or native machine

North American Sales Offices

EASTERN REGION

| | |
|---------------------|--------------|
| Woodcliff Lake, NJ* | 201-476-1000 |
| Arlington, VA | 703-527-9400 |
| Boston, MA | 617-244-6622 |
| Columbia, MD | 410-872-4700 |
| Philadelphia, PA | 610-834-8825 |
| Pittsburgh, PA | 412-829-7449 |
| Westport, CT | 203-454-3472 |

MIDWEST REGION

| | |
|------------------|--------------|
| Rosemont, IL** | 708-698-3000 |
| Bloomington, MN | 612-921-8585 |
| Cincinnati, OH | 513-772-7055 |
| Detroit, MI | 810-380-7990 |
| Indianapolis, IN | 317-469-0150 |
| Kansas City, KS | 913-451-1680 |
| Omaha, NE | 402-390-0488 |
| St. Louis, MO | 314-567-1188 |

SOUTHERN REGION

| | |
|------------------|--------------|
| Dallas, TX* | 817-649-2900 |
| Atlanta, GA | 770-436-2900 |
| Boca Raton, FL | 407-750-0701 |
| Huntersville, NC | 704-875-9290 |

WESTERN REGION

| | |
|----------------------|--------------|
| San Francisco, CA* | 510-831-3700 |
| Denver, CO | 303-770-5555 |
| Huntington Beach, CA | 714-893-0044 |
| Phoenix, AZ | 602-953-2080 |
| Seattle, WA | 206-621-8200 |

GOVERNMENT MARKETING

| | |
|---------------|--------------|
| Federal | |
| Arlington, VA | 703/527-9400 |

CANADIAN REGION

| | |
|-----------|--------------|
| Toronto* | 416/367-4180 |
| Montreal | 514/843-3000 |
| Vancouver | 604/276-9485 |

** Corporate Headquarters
(As of January 20, 1996, area code 847 will
replace 708.)

* Regional Headquarters

International Sales Offices

Asia

| | |
|-----------|-------------|
| Singapore | 65-221-7771 |
|-----------|-------------|

Japan

| | |
|--------|-----------------|
| Osaka | 81-6-262-6821 |
| Tokyo* | 81-03-5566-1081 |

Australia

| | |
|---------------|----------------|
| North Sydney* | 61-2-9956-7299 |
|---------------|----------------|

Latin America

| | |
|--------|--------------|
| Miami* | 305-670-6687 |
|--------|--------------|

Austria

| | |
|------|---------------|
| Wien | 43-1-512-8990 |
|------|---------------|

Netherlands

| | |
|-----------|----------------|
| Maarssen* | 31-34-656-6699 |
|-----------|----------------|

Belgium

| | |
|--|----------------|
| | 31-34-656-6699 |
|--|----------------|

Switzerland

| | |
|-----|---------------|
| Zug | 41-42-23-2530 |
|-----|---------------|

France

| | |
|-------|-----------------|
| Paris | 33-1-41-43-8000 |
|-------|-----------------|

United Kingdom

| | |
|---------|------------------|
| Slough* | 44-1-753-818-000 |
|---------|------------------|

Germany

| | |
|---------|------------------|
| Hamburg | 49-40-64-65-6703 |
|---------|------------------|

Germany

| | |
|---------|------------------|
| Munich* | 49-40-646-56-703 |
|---------|------------------|

| | |
|-----------|----------------|
| Stuttgart | 49-71-123-3092 |
|-----------|----------------|

* Regional Headquarters

COMDISCO®

6111 North River Road

Rosemont, IL 60018

1-800-525-8000 ext. 5925

<http://www.comdisco.com>



Printed on recycled paper

